

Substitute for Form 1449 A & B/PTO

Complete if Known

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 1

Application Number	10/663,749
Confirmation Number	5604
Filing Date	September 17, 2003
First Named Inventor	TANABE, Tadashi
Art Unit	1645
Examiner Name	Not Yet Assigned
Attorney Docket Number	Q77569

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US			
		US			
		US			
		US			
		US			
		US			
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
UK		BABETTE B. WEKSLER; Heparin and Acidic Fibroblast Growth Factor Interact to Decrease Prostacyclin Synthesis in Human Endothelial Cells by Affecting Both Prostaglandin H Synthase and Prostacyclin Synthase; J. Cell. Physiol., 142[3], p.514-522, 1990	
		Gryglewski RJ et al, "Prostacyclin and Vascular disease" Philos Trans R Soc Lond B. Biolo. Sci, vol. 294, No. 1072, August 18, 1981 (pages 383-388, XP001062949 page 383.	
		Bovine Prostacyclin Synthase: Purification and Isolation of Partial cDNA, Biochemical and Biophysical communications, B. Pereira et al., pp. 1041-1048, dtd. 1993	

Examiner Signature

Date Considered

8/11/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.

Substitute for Form 1449 A & B/PTO

Complete if Known

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

2

Application Number	10/663,749
Confirmation Number	5604
Filing Date	September 17, 2003
First Named Inventor	TANABE, Tadashi
Art Unit	1645
Examiner Name	Not Yet Assigned
Attorney Docket Number	Q77569

U.S. PATENT DOCUMENTS


Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
chk		Ngo et al. (1994) Computational Complexity, Protein Structure Prediction, and the Levinthal Paradox. In: The Protein Folding Problem and Tertiary Structure Prediction, Eds. Merz et al., Birkhauser, Boston, MA pages 491-495.	
		Bimodal Distribution of the Prostaglandin I ₂ Synthase Antigen in Smooth Muscle Cells, W. Smith et al., The Journal of biological chemistry, pp. 5922-5926, dtd. 1983	
		Purification, Quantitation, and Localization of PGI ₂ Synthase Using Monoclonal Antibodies, W. Smith et al., pp. 87-92, dtd. 1983	
		Eight Gaddum Memorial Lecture University of London Institute of Education December 1980, Biological Importance of Prostacyclin, S. Moncada, pp. 1-31, dtd. 1982	
		Agonist-Specific Desensitization of PGI ₂ -Stimulated Cyclic AMP Accumulation by PGE ₁ In Human Foreskin Fibroblasts, R. Gorman et al., pp. 3-17, dtd. 1980	
		Cytochrome P-450, Biochemistry, Biophysics and Environmental Implications, Proceedings of the 4 th International Conference on Cytochrome P-450 held in Kuopio, Finland, May 31-June 3, 1992, E. Hietanen et al., eds., pp. 103-106, dtd. 1982.	
		Purification of Prostacyclin Synthase from Bovine Aorta By Immunoaffinity Chromatography, D. DeWitt et al., The Journal of Biological Chemistry, pp. 3285-3293, dtd. 3/18	
		Molecular Characterization of the Prostacyclin Synthase, Advances in Prostaglandin, Thromboxane, and Leukotriene Research, M. Inoue, pp. 29-33, dtd. 1987	
		Bovine Prostacyclin Synthase: Purification and Isolation of Partial cDNA, Biochemical and Biophysical communications, B. Pereira et al., pp. 1041-1048, dtd. 1993	
		Structure-function relationships of membrane-bound heme-enzyme, cytochrome P450, Institute for Chemical Reaction Science, Tohoku University, T. Shimizu, pp. 10-15, dtd. 1992	
		Preparation and Assay of Prostacyclin Synthase, Methods in Enzymology, J. Salmon et al., pp. 91-99, dtd. 1982.	

Examiner Signature		Date Considered	8/11/05
--------------------	---	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to indicate here if English language Translation is attached.

Substitute for Form 1449 A & B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				<i>Complete if Known</i>	
				Application Number	10/663,749
				Confirmation Number	5604
				Filing Date	September 17, 2003
				First Named Inventor	TANABE, Tadashi
				Art Unit	1645
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	Q77569
Sheet	2	of	2		

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		Molecular Cloning of Prostacyclin Synthase From Bovine Endothelial Cells, <u>Eicosanoids & Other BioActive Lipids in Cancer, Inflammation and Radiation Injury</u> , T. Tanabe et al., pp 137, dtd. 1993	
		Tanabe et al., in "Advances in Prostaglandin, Thromboxan and Leukotriene Research, Vol. 23, 1995, pp. 133-135"	
		Govindarajan, et al, The Patology, 7(4): 654-659, 1987	
		Keirse et al., Placenta, 7:37-42, 1986	
		Siegle et al, FEBS Letters, 347:221-225 (1994)	
		Dewitt et al., Methods in Enzymology, vol. 86:240-246, 1982	
		Moonen et al., Europ. J. Obstet. Gynec. Reprod. Biol. 19:151-158, 1985	
		Harlow et al, Antibodies a Laboratory Manual, Cold Spring Harbor Laboratories, 1989, Chap. 8, pp. 283-318	
		Pereira B. et al., "Bovine Prostacyclin Synthase: Purification and Isolation of Partial cDNA" Biochemical and Biophysical Research Communications, Academic Press Inc. Orlando, FL US, vol. 197, No. 3, December 30, 1993; pages 1041-1048 XP000570379 ISSN: 0006-291X Abstract page 1047; Figure 4	
		Sato K. et al. "Role of prostaglandins in pregnancy-induced hypertension: AM J. Kidney, vol. 17, No. 2, February 1991 (1191-02), pgs. 133-138, XP001062950 PAGE 133	
		Gryglewski RJ et al, "Prostacyclin and Vascular disease" Philos Trans R Soc Lond B. Biolo. Sci, vol. 294, No. 1072, August 18, 1981 (pages 383-388, XP001062949 page 383.	
		Supplementary European Search Report	

Examiner Signature		Date Considered	8/11/05
--------------------	---	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.